

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 1 of 10

	Clayey (AWC > 6") FSG # 001	Clayey-Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 009	Deep Sub-Irrigated, Loamy FSG # 013	Loamy (AWC > 6") FSG # 017	Loamy, dry (AWC 3-6") FSG # 019	Loamy, Limy FSG # 022	Loamy, Mod. Saline (AWC >6") (EC 4 - 8 mmhos/cm) FSG # 023
KEY to Adaptation	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND
Blank = Not Suited							
F = Fair							
G = Good							
COOL SEASON GRASSES							
Bluegrass big	G				G	G	F
Bluegrass Kentucky	G				G	G	F
Bromegrass meadow	G	G		G	G	G	G
Bromegrass mountain	G			F	G		F
Bromegrass smooth	G	G			G	G	F
Fescue Sheep	G		G		G	G	F
Fescue tall	G	F		F	G	G	G
Foxtail creeping	G	G		F	G		F
Foxtail meadow	G	G		F	G	G	G
Galleta		G			G	G	F
Needle and Thread					G		F
Needlegrass green							F
Nuttall alkaligrass				G			
Orchard grass	G	G		G	G	G	F
* Adapted to certain sites	If there is adequate snow cover over winter that will provide protection.						
Prairie junegrass	G			F	G	G	F

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 2 of 10

		Sandy, dry (AWC 3-6") FSG # 026	Sub-Irrigated, Limy FSG # 030	Sub-Irrigated, Loamy/Sandy FSG # 031	Wet FSG # 034						
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
COOL SEASON GRASSES											
Bluegrass	big			F							
Bluegrass	Kentucky			F							
Bromegrass	meadow	F		G	G						
Bromegrass	mountain					F	G				
Bromegrass	smooth			G	F	G					
Fescue	Sheep			G							
Fescue	tall	F		G	F	G					
Foxtail	creeping	F		G							
Foxtail	meadow	F	G	G	F	G	F				
Galleta			G		F	G	G				
Needle and Thread			G	F	F	G	G				
Needlegrass	green	G		F							
Nuttall	alkaligrass							F			
Orchard grass		F	G		F	G					
* Adapted to certain sites		If there is adequate snow cover over winter that will provide protection.									
Prairie	junegrass	F		F		F					

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 3 of 10

		Clayey (AWC > 6") FSG # 001	Clayey-Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 009		Deep Sub-Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017	Loamy, dry (AWC 3-6") FSG # 019		Loamy, Limy FSG # 022	Loamy, Mod. Saline (AWC > 6") (EC 4 - 8 mmhos/cm) FSG # 023		
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Prairie cordgrass			G										G
Prairie sandreed						F		G		G		F	
Reed canarygrass			G		F		G	G	G		G		
Ryegrass	perennial	F	G		G		G	G	G	F	G		
Timothy			G		F		G		G		G		F
Wheatgrass	beardless	F				G		G	G		F	G	G
Wheatgrass	bluebunch	F				G		G	G		F	G	G
Wheatgrass	crested	G				G		G	G		F	G	G
Wheatgrass	Hybrid (quack x bluebunch)	G		G	F	G	G	G	G	F	G	G	G
Wheatgrass	Intermediate	G	G		G	F	G	G	G	F	G	G	G
Wheatgrass	Pubescent	F	G		G	F	G	G	G	G	G	G	G
Wheatgrass	Siberian	F				G		G	G		G	G	F
Wheatgrass	Slender	G	G	G	G	G	G	G	G	F	G	G	G
Wheatgrass	Standard crested	G				G		G	G		F	G	F
Wheatgrass	Standard x fairway	G				G		G	G		F	G	G
Wheatgrass	Streambank	G				G		G	G		F	G	G

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
 Pastureland and Hayland Interpretations
 Page 4 of 10

		Sandy, dry (AWC 3-6") FSG # 026	Sub-Irrigated, Limy FSG # 030	Sub-Irrigated, Loamy/Sandy FSG # 031	Wet FSG # 034				
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Blank = Not Suited									
F = Fair									
G = Good									
Prairie cordgrass						G			
Prairie sandreed		G		G	F				
Reed canarygrass			G	G	F	G			
Ryegrass	perennial	F	G	G	F	G	F		
Timothy			F	G	F	G	F		
Wheatgrass	beardless	F		G	F				
Wheatgrass	bluebunch	F		G	F				
Wheatgrass	crested	F		F		G			
Wheatgrass	Hybrid (quack x bluebunch)	F	G	F	G	F	G	F	
Wheatgrass	Intermediate	F	G	F	G	F	G		
Wheatgrass	Pubescent	F	G	F	G	F	G		
Wheatgrass	Siberian	F		F		F			
Wheatgrass	Slender	F	G	F	G	F	G		
Wheatgrass	Standard crested	F		F		F			
Wheatgrass	Standard x fairway	F		F		F			
Wheatgrass	Streambank	F		G		G			

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 5 of 10

		Clayey (AWC > 6") FSG # 001	Clayey-Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 009		Deep Sub-Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017	Loamy, dry (AWC 3-6") FSG # 019		Loamy, Limy FSG # 022	Loamy, Mod. Saline (AWC > 6") (EC 4 - 8 mmhos/cm) FSG # 023		
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Wheatgrass	tall	F	G	F	G	F	G	G	G	F	G	G	G
Wheatgrass	thickspike	G	G	F				G	G	G	G	G	
Wheatgrass	western	G	G	F		G		G	G	G	G	G	
Wildrye	altai	F	G		G		G	G	G	G	G		G
Wildrye	basin	G	G		G	G	G	G	G	F	G	G	
Wildrye	beardless	F	G		G		G	G	G	F	G		G
Wildrye	canada	F			G		G	G	G	F	G	G	G
Wildrye	mammoth	F			G		G	G	G	F	G	F	F
Wildrye	russian	G			G		G	G	G	G	G	G	
WARM SEASON GRASSES													
Alkali sacaton			G		F		G						
Bluestem	big	F				G		G		F		G	
Bluestem	Little	F				G		G		F		F	G
Bluestem	sand												
Buffalograss			G										
Indian	ricegrass					G					G		

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
 Pastureland and Hayland Interpretations
 Page 6 of 10

		Sandy, dry (AWC 3-6") FSG # 026	Sub-Irrigated, Limy FSG # 030	Sub-Irrigated, Loamy/Sandy FSG # 031	Wet FSG # 034				
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED
Blank = Not Suited									
F = Fair									
G = Good									
Wheatgrass	tall	F	G	G	G	F	F		
Wheatgrass	thickspike	F				G			
Wheatgrass	western	F		F		F			
Wildrye	altai	F	G		G	G	G	F	
Wildrye	basin	F	F	F	G	F	G		
Wildrye	beardless	F	G		G	F	G	F	
Wildrye	canada	G		F		F			
Wildrye	mammoth	G		F		F			
Wildrye	russian	F		F		G			
WARM SEASON GRASSES									
Alkali sacaton							F		
Bluestem	big								
Bluestem	Little								
Bluestem	sand	G							
Buffalograss									
Indian	ricegrass	F							

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 7 of 10

		Clayey (AWC > 6") FSG # 001	Clayey-Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 009		Deep Sub-Irrigated, Loamy FSG # 013		Loamy (AWC > 6") FSG # 017	Loamy, dry (AWC 3-6") FSG # 019		Loamy, Limy FSG # 022	Loamy, Mod. Saline (AWC > 6") (EC 4 - 8 mmhos/cm) FSG # 023	
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	IRRIGATED
Blank = Not Suited												
F = Fair												
G = Good												
Indiangrass												
Sideoats	grama						G		G			G
Squiretail	bottlebrush											
Switchgrass		F			G		G		G	F		F
INTRODUCED LEGUMES												
Alfalfa		F	G			F	G	G	G	F	G	F
Birdsfoot trefoil		F	G				G	G	G	G	F	G
Clover	alsike	F	G			G	G	G		G	F	G
Clover	ladino	F	G			G	G	G		G	F	G
Clover	red	F	G			G		G		G		
Clover	strawberry	F	G			G		G		G	G	G
Clover	white	F	G			G	G	G		F	G	F
Milkvetch	cicer	F	G			F	G	G	G	F	G	G
Sainfoin		F	G			G	G	G	G	F	G	F
Sweetclover	white	F	G			G	G	G	G	F	G	G
Sweetclover	yellow	F	G			G	G	G	G	F	G	G

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 8 of 10

	Sandy, dry (AWC 3-6") FSG # 026	Sub-Irrigated, Limy FSG # 030	Sub-Irrigated, Loamy/Sandy FSG # 031	Wet FSG # 034					
KEY to Adaptation	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND
Blank = Not Suited									
F = Fair									
G = Good									
Indiangrass									
Sideoats	grama								
Squirtail	bottlebrush								
Switchgrass									
INTRODUCED LEGUMES									
Alfalfa		G	G	G					
Birdsfoot trefoil		G		G	F	G			
Clover	alsike	G		G	F	G			
Clover	ladino	G		G	F	G			
Clover	red	G		G	F	G	F		
Clover	strawberry	G		G	F	G			
Clover	white	G		G	F	G			
Milkvetch	cicer	G	F	G	F	G			
Sainfoin		G	F	G	F	G			
Sweetclover	white	G	G	G	F	G			
Sweetclover	yellow	G	G	G	F	G			

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
Pastureland and Hayland Interpretations
Page 9 of 10

	Clayey (AWC > 6") FSG # 001	Clayey-Saline (AWC > 6") (EC 8 - 16 mmhos/cm) FSG # 009	Deep Sub-Irrigated, Loamy FSG # 013	Loamy (AWC > 6") FSG # 017	Loamy, dry (AWC 3-6") FSG # 019	Loamy, Limy FSG # 022	Loamy, Mod. Saline (AWC >6") (EC 4 - 8 mmhos/cm) FSG # 023
KEY to Adaptation	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND
Blank = Not Suited							
F = Fair							
G = Good							
OTHER PERENNIAL FORBS & SHRUBS							
Small Burnett		G					F
Saltbush	Four Wing	G		G	G	F	G
Saltbush	Gardner	G		G	G	F	

Appendix C
Adapted Species for Forage Suitability Groups
MLRA 47 > 20" PRECIPITATION

Section II-MLRA 47
 Pastureland and Hayland Interpretations
 Page 10 of 10

		Sandy, dry (AWC 3-6") FSG # 026	Sub-Irrigated, Limy FSG # 030	Sub-Irrigated, Loamy/Sandy FSG # 031	Wet FSG # 034					
KEY to Adaptation		DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND	IRRIGATED	DRYLAND
Blank = Not Suited										
F = Fair										
G = Good										
OTHER PERENNIAL FORBS & SHRUBS										
Small Burnett										
Saltbush	Four Wing	G		F						
Saltbush	Gardner	G		F						